

FIG. 1

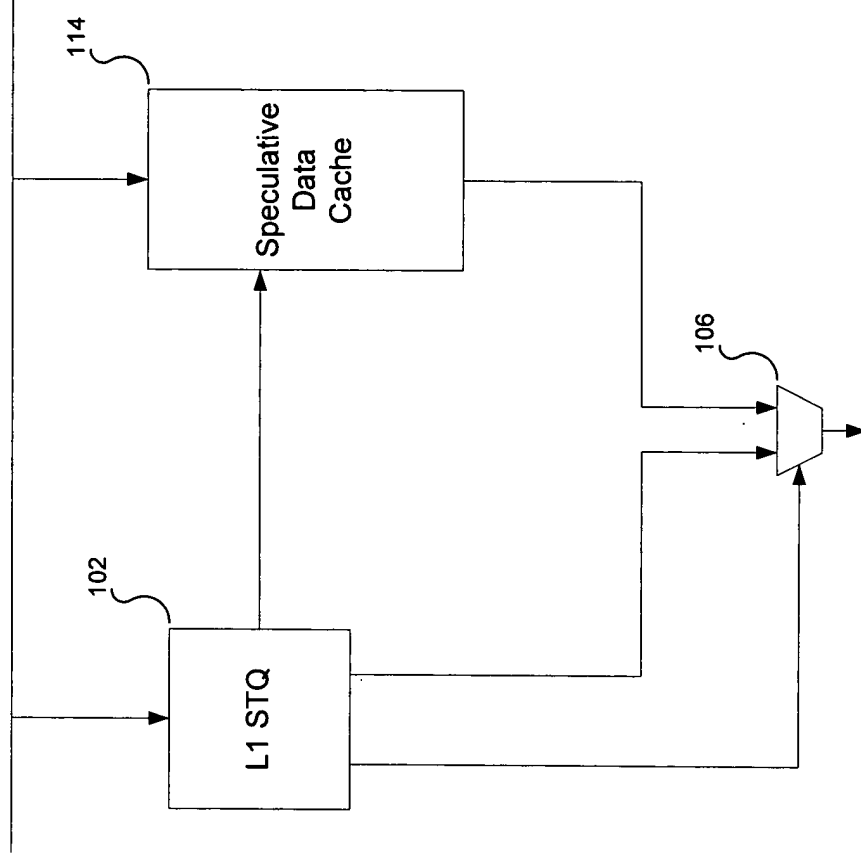


FIG. 2

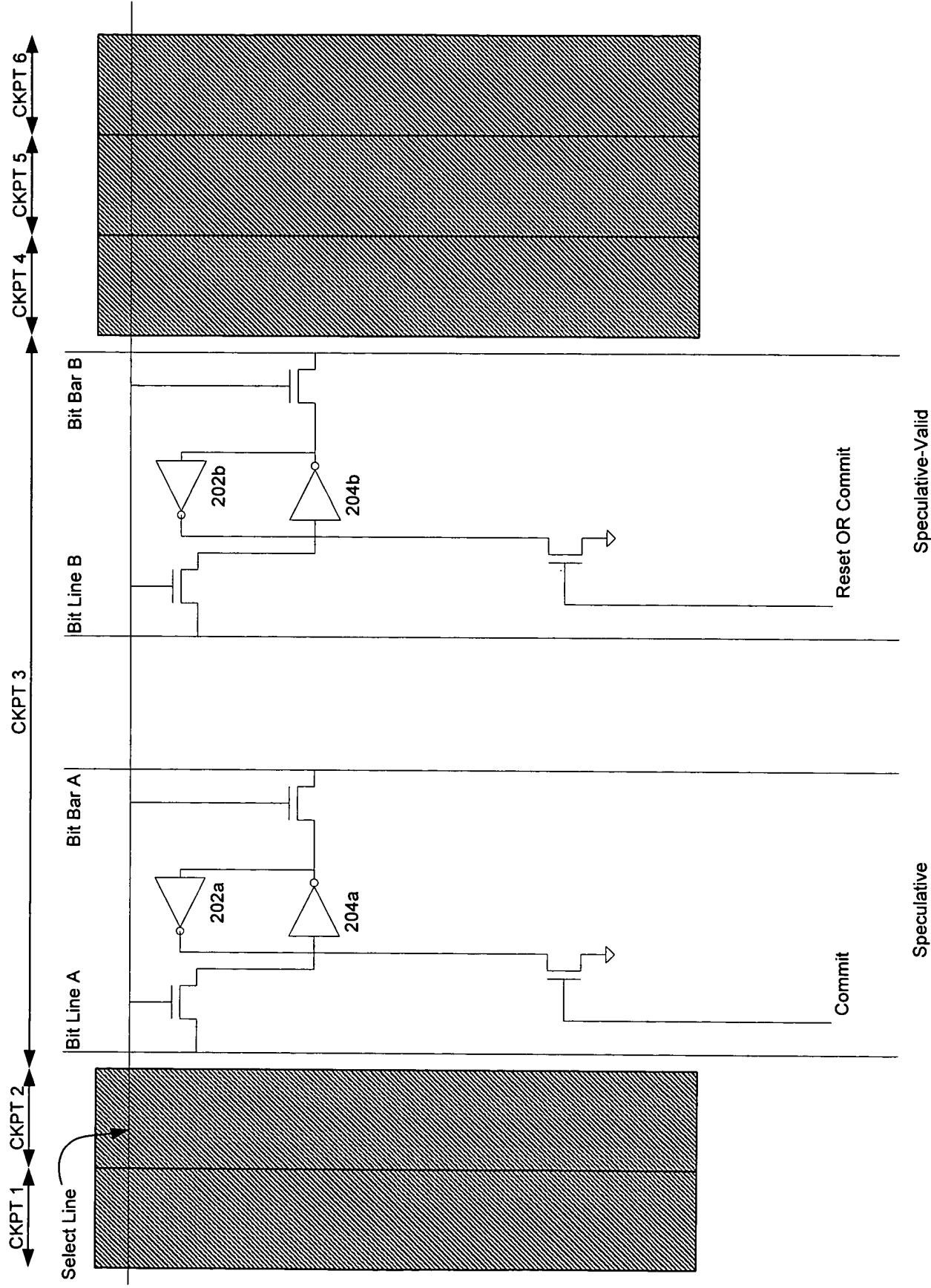
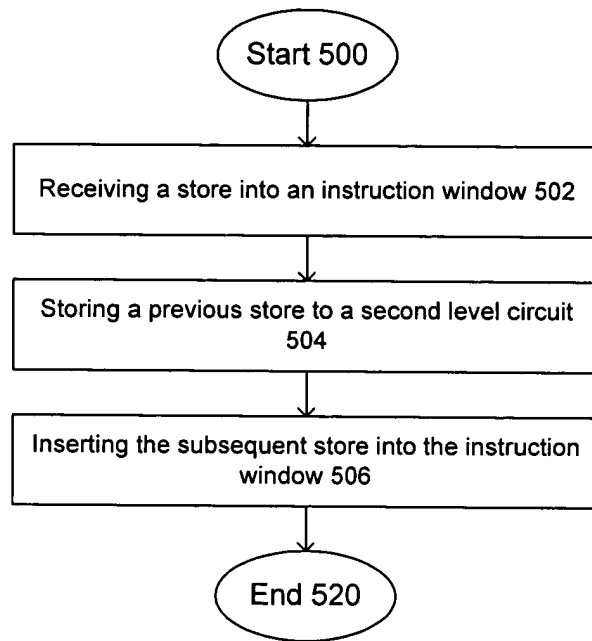


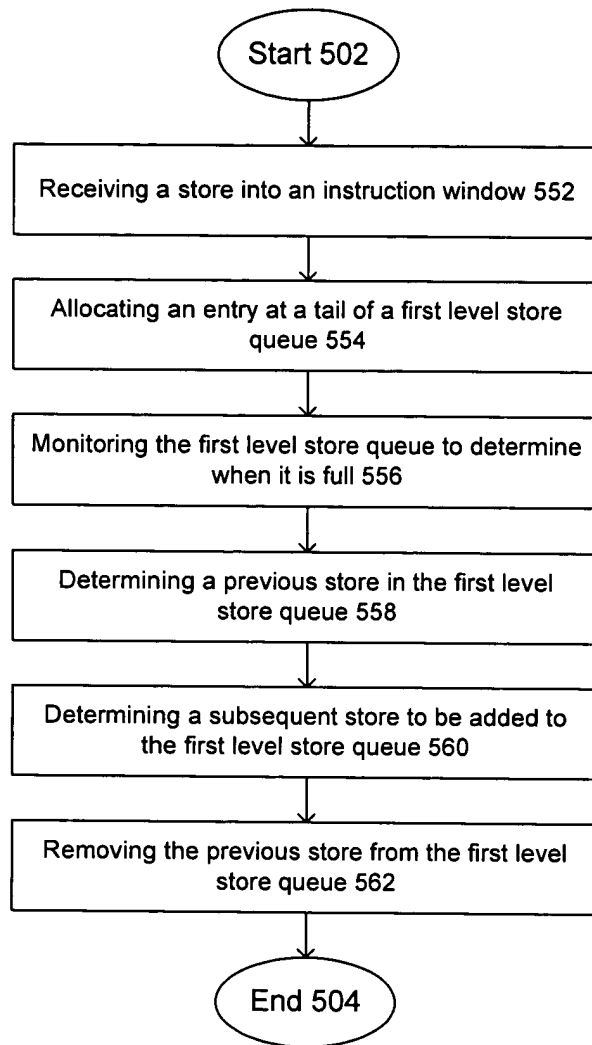
FIG. 3

VALID	SPEC	VALID-SPEC	Description
0	X	X	Invalid
1	0	0	Valid & Committed
1	0	1	Unused
1	1	0	Invalid
1	1	1	Valid & Speculative

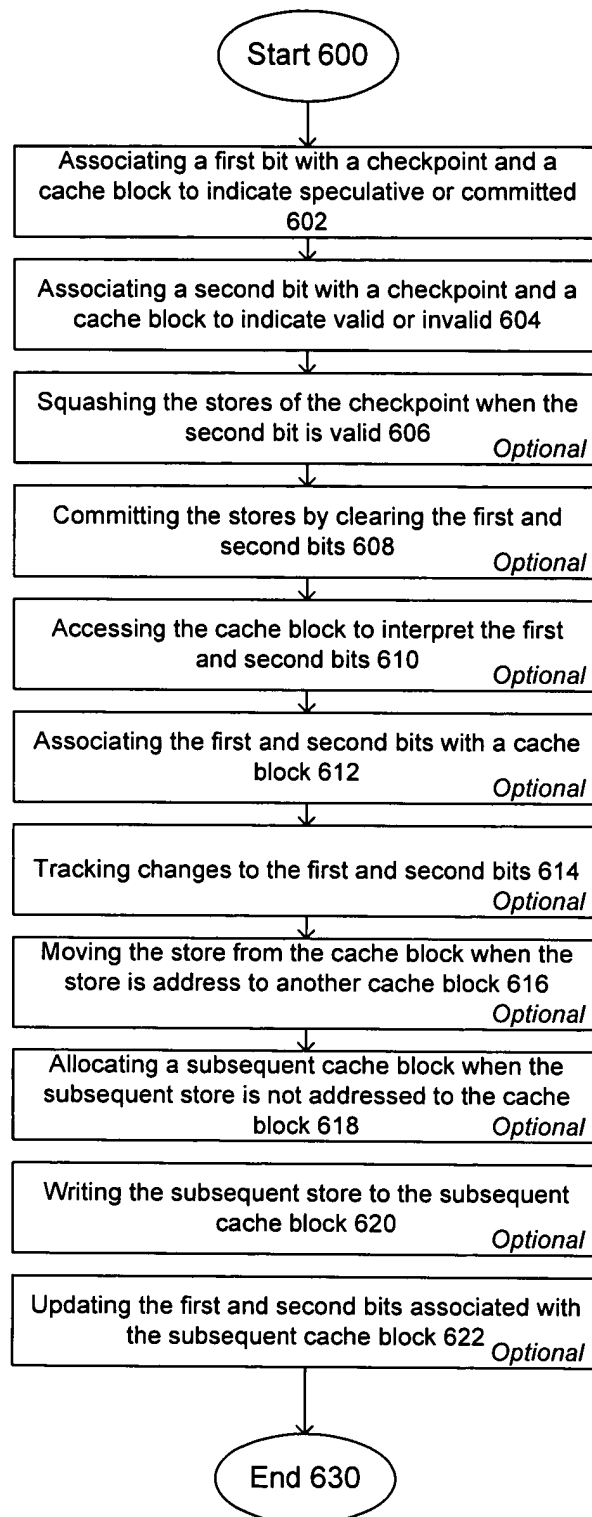
FIG. 4



**FIG. 5A**



**FIG. 5B**



**FIG. 6**

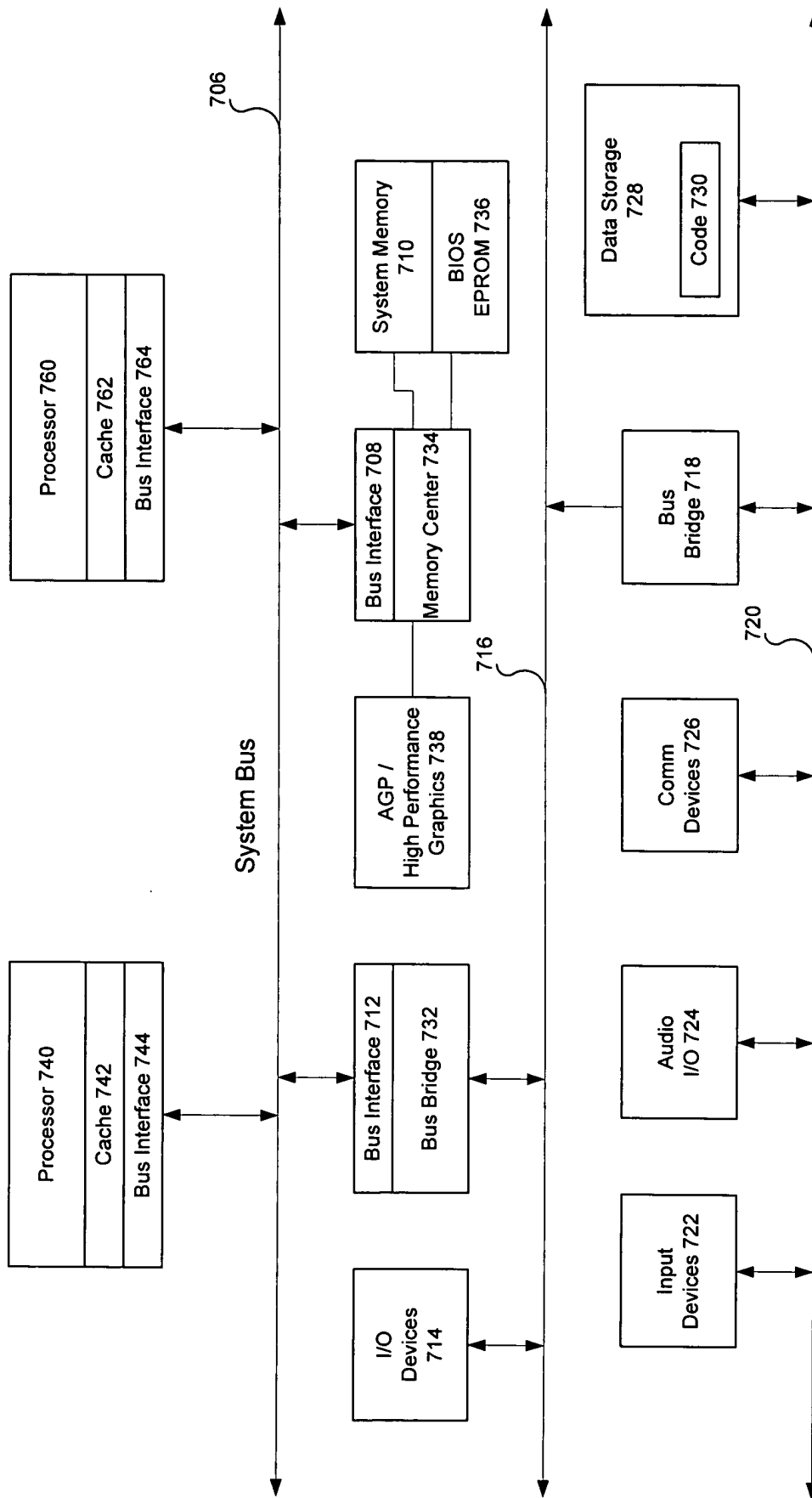


FIG. 7



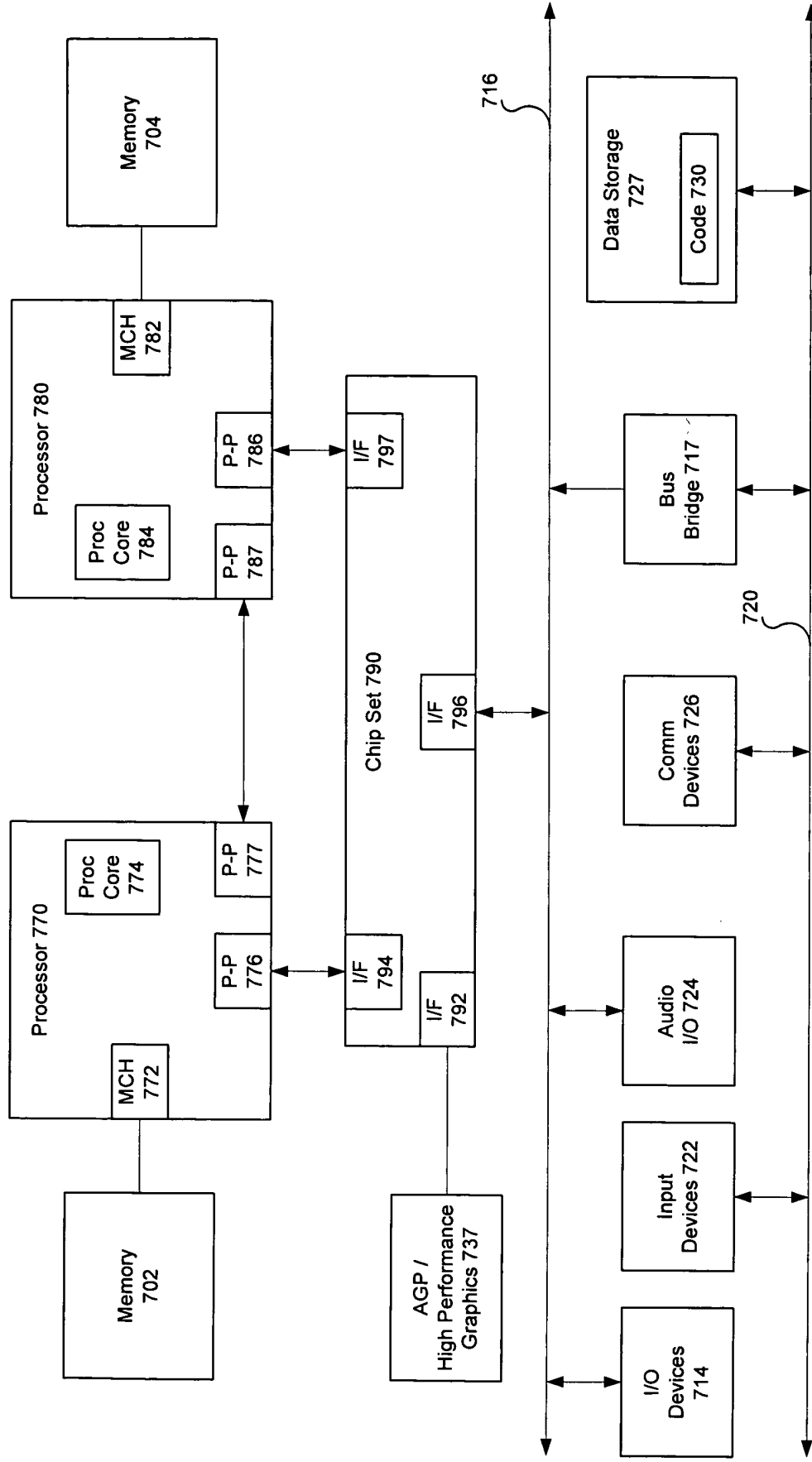
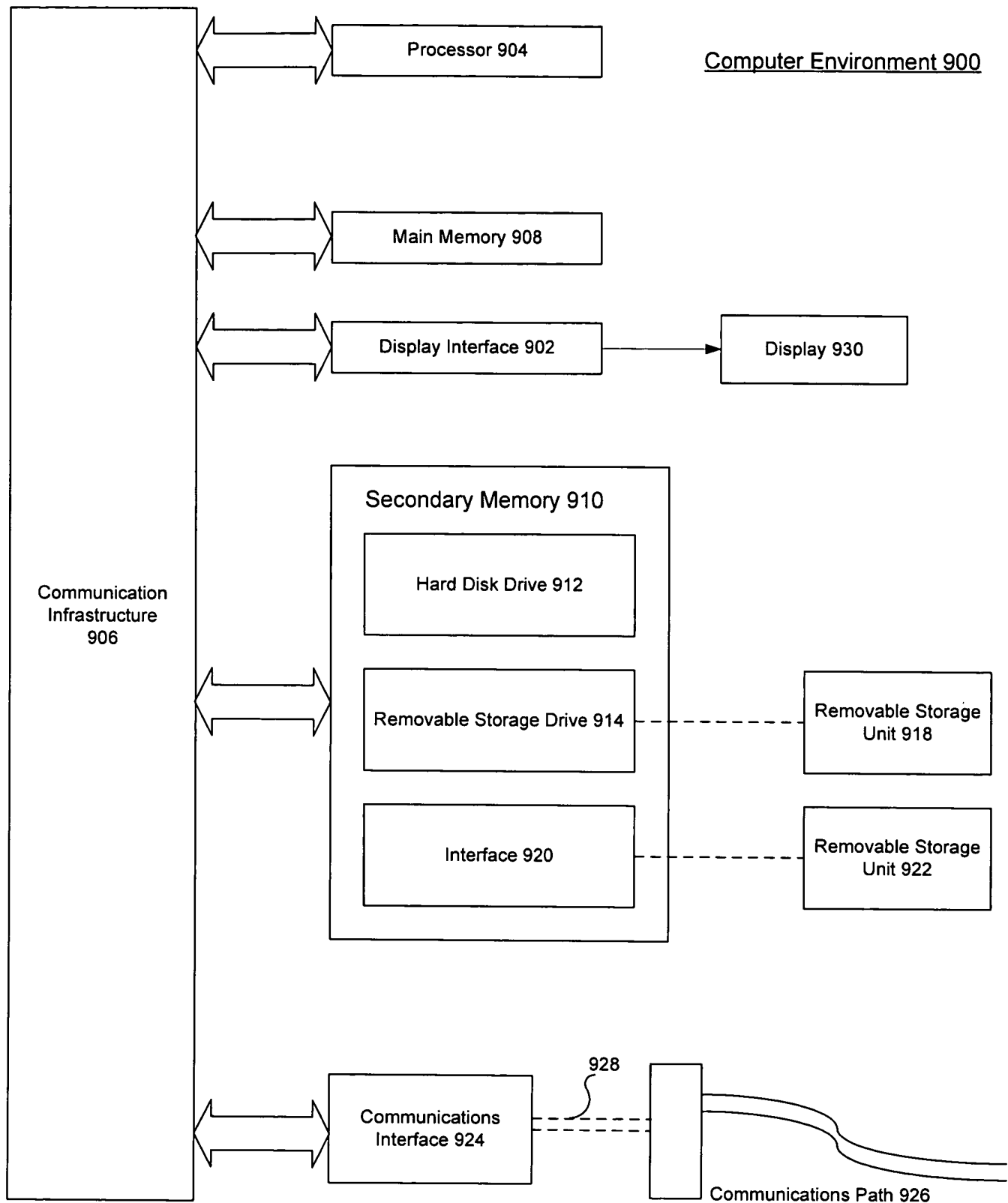


FIG. 8



**FIG. 9**